

FORM PTO-1449, Adapted

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ATTY. DOCKET NO.	SERIAL NO. 09/491,500	FILING DATE January 26, 2000
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APPLICANT Keith L. Black and Nagendra S. Ningaraj	GROUP 1632
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Ama	AA	5,518,499	05/21/06	Agar			
Ama	AB	5,767,160	06/16/98	Kaesemeyer			

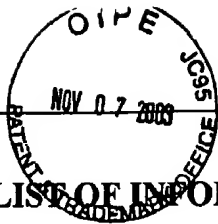
## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Ama	AC	Armstead, W.M., <i>Contribution of kca channel activation to hypoxic cerebrovasodilation does not involve NO</i> , Brain Res, 799:44-48 (1998). ABSTRACT ONLY.
	AD	Barna, M., et al., <i>Activation of type III nitric oxide synthase in astrocytes following a neurotropic viral infection</i> , Virology, 223: 331-343 (1996).
	AE	Becker, E.M., et al., <i>The vasodilator-stimulated phosphoprotein (VASP): target of YC-1 and nitric oxide effects in human and rate platelets</i> , J Cardiovasc Pharmacol, 35(3):390-7 (2000). ABSTRACT ONLY.
	AF	Boje, K.M., <i>Inhibition of nitric oxide synthase attenuates blood-brain barrier disruption during experimental meningitis</i> , Brain Research, 720:75-83 (1996).
	AG	Brandt, L., et al., <i>Effects of topical application of calcium antagonist (nifedipine) on feline cortical pial microvasculature under normal conditions and in focal ischemia</i> , Journal of Cerebral Blood Flow and Metabolism, 3:44-50 (1983).
	AH	Brioni, J.D., et al., <i>Activators of soluble guanylate cyclase for treatment of male erectile dysfunction</i> , International Journal of Impotence Research, 14:8-14 (2002).
	AI	Bychkov, R., et al. <i>Calicum-activated potassium channels and nitrate-induced vasodilation in human coronary arteries</i> , J Pharmacol Exp Therap, 285:293-8 (1998). ABSTRACT ONLY.
	AJ	Chandran, S., et al., <i>Nitric oxide: concepts, current perspectives and future therapeutic implications</i> , Indian Journal of Pharmacology, 30:351-366 (1998).
	AK	Chi, O.Z., et al. <i>Effect of inhibition of nitric oxide synthase on blood-brain barrier transport in focal cerebral ischemia</i> , Pharmacology, 48:367-373 (1994).
	AL	Cloughesy, T.F., et al., <i>Pharmacological blood-brain barrier modification for selective drug delivery</i> , Journal of Neuro-Oncology, 26:125-132 (1995).
	AM	Feelisch, M., <i>The use of nitric oxide donors in pharmacological studies</i> , Naunyn-Schmiedeberg's Arch Pharmacol, 358:113-122 (1998).
	AN	Fukao, M., et al., <i>Cyclic GMP-dependent protein kinase activates cloned BKCa channels expressed in mammalian cells by direct phosphorylation at serine 1072</i> , J Biol Chem, 274(16):10927-35 (1999).
	AO	Fukumura, D., et al., <i>Role of nitric oxide in angiogenesis and microcirculation in tumors</i> , Cancer and Metastasis Reviews, 17:77-89 (1998).
✓	AP	He, P., et al., <i>cGMP modulates basal and activated microvessel permeability independently of [Ca<sup>2+</sup>]<sub>i</sub></i> , Am J Physiol, 274:H1865-74 (1998). ABSTRACT ONLY.
Ama	AQ	Herrera, G.M., et al., <i>Maintained vasodilatory response to cromakalim after inhibition of nitric oxide synthesis</i> , J Cardiovasc Pharmacol, 31:921-9 (1998). ABSTRACT ONLY

EXAMINER Anne-Marie Falk

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Amz	AR	Holschermann, H., et al., <i>Dual role of cGMP in modulation of macromolecule permeability of aortic endothelial cells</i> , <u>Am J Physiol</u> , 272:H91-8 (1997). ABSTRACT ONLY.	
	AS	Hongli, X., et al., <i>Opening blood-brain-barrier by intracarotid infusion of papaverine in treatment of malignant cerebral glioma</i> , <u>Chinese Medical Journal</u> , 111(8):751-753 (1998).	
	AT	Hurst, R.D., et al., <i>Nitric oxide-induced perturbations in a cell culture model of the blood-brain barrier</i> , <u>Journal of Cellular Physiology</u> , 167:89-94 (1996).	
	AU	Inamura, T., et al., <i>Intracarotid histamine infusion increases blood tumour permeability in RG2 glioma</i> , <u>Neurological Research</u> , 16:125-128 (1994).	
	AV	Inamura, T., et al., <i>Intracarotid infusion of RMP-7, a bradykinin analog: a method for selective drug delivery to brain tumors</i> , <u>J Neurosurg</u> , 81:752-758 (1994).	
	AW	Janigro, D., et al., <i>Regulation of blood-brain barrier endothelial cells by nitric oxide</i> , <u>Circulation Research</u> , 75:528-528 (1994).	
	AX	Kimura, M., et al., <i>Responses of human basilar and other isolated arteries to novel nitric oxide donors</i> , <u>J Cardiovasc Pharmacol</u> , 32: 695-701 (1998). ABSTRACT ONLY.	
	AY	Koesling, D., <i>Modulators of soluble guanylyl cyclase</i> , <u>Naunyn-Schmiedeberg's Arch Pharmacol</u> , 358:123-126 (1998).	
	AZ	Liu, Y., et al., <i>Repeated, short-term ischemia augments bradykinin-mediated opening of the blood-tumor barrier in rats with RG2 glioma</i> , <u>Neurological Research</u> , 23:631-639 (2001).	
	BA	Lohse, M.J., et al., <i>Pharmacology of NO:cGMP signal transduction</i> , <u>Naunyn-Schmiedeberg's Arch Pharmacol</u> , 358:111-112 (1998).	
	BB	Matukado, T., et al., <i>Selective Increase in Blood Tumor Permeability by Calcium Antagonists in Transplanted Brain Tumors</i> , <u>Acta Neurochir</u> , 60: 403-405 (1994).	
	BC	Mayer, B., et al., <i>Nitric oxide synthases: catalytic function and progress toward selective inhibition</i> , <u>Naunyn-Schmiedeberg's Arch Pharmacol</u> , 358:127-133 (1998).	
	BD	Mayhan, W.G., <i>Role of nitric oxide in histamine-induced increases in permeability of the blood-brain barrier</i> , <u>Brain Research</u> , 743:70-76 (1996).	
	BE	Mayhan, W.G., et al., <i>Glutamate-induced disruption of the blood-brain barrier in rats</i> , <u>Stroke</u> , 27:965-970 (1996).	
Amz	BF	Nakano, S., et al., <i>Increased brain microvessel permeability after intracarotid bradykinin infusion is mediated by nitric oxide</i> , <u>Cancer Research</u> , 56:4027-4031 (1996).	
Amz	BG	Ningaraj, N.S., et al., <i>Role of ATP-sensitive K<sup>+</sup> channels in blood-brain tumor barrier permeability</i> , <u>Congress of Neurological Surgeons Annual Meeting, 50<sup>th</sup> Anniversary Celebration, September 23-28, 2000, Henry B. Gonzalez Convention Center, San Antonio, Texas, ABSTRACT No. 4309, p. 215.</u>	
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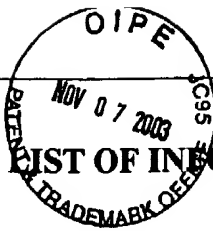
## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Am2	BH	Ningaraj, N.S., et al., Ca <sup>2+</sup> -dependent K <sup>+</sup> channels are a key regulatory of blood-brain tumor barrier permeability, <u>Congress of Neurological Surgeons Annual Meeting, 50<sup>th</sup> Anniversary Celebration, September 23-28, 2000, Henry B. Gonzalez Convention Center, San Antonio, Texas, ABSTRACT No.428, p. 219.</u>
	BI	Ningaraj, N.S., et al., Nitric oxide donors increase blood-brain tumor barrier permeability via Kca channels, <u>Society for Neuroscience, 30<sup>th</sup> Annual Meeting, New Orleans, LA, November 4-9, 2000, 26 Part 1, p. 338, ABSTRACT No. 126.8.</u>
	BJ	Ningaraj, N.S., et al., Regulation of blood-brain tumor barrier permeability by calcium-activated potassium channels, <u>The Journal of Pharmacology</u> , June 2002, 301: 838-851
	BK	Pardrige, W., et al., Blood-brain barrier and new approaches to drug delivery, <u>West J Med</u> , 156:281-286 (1992).
	BL	Robertson, B.E., et al., cGMP-dependent protein kinase activates Ca-activated K channels in cerebral artery smooth muscle cells, <u>Am J Physiol</u> , 265:C299-C303 (1993).
	BM	Sobey, C.G., et al., Inhibitory effect of 4-aminopyridine on responses of the basilar artery to nitric oxide, <u>Br J Pharmacol</u> , 126:1437-43 (1999). ABSTRACT ONLY.
	BN	Salom, J.B., et al., Relaxant effects of sodium nitroprusside and NONOates in rabbit basilar artery, <u>Pharmacology</u> , 57:79-97 (1998). ABSTRACT ONLY.
	BO	Salom, J.B., et al., Comparative relaxant effects of the NO donors sodium nitroprusside, DEA/NO and SPER/NO in rabbit carotid arteries, <u>Gen Pharmacol</u> , 32:75-59 (1999). ABSTRACT ONLY.
	BP	Salom, J.B., et al., Relaxant effects of sodium nitroprusside and NONates in goat middle cerebral artery: delayed impairment of global ischemia-reperfusion, <u>Nitric Oxide</u> , 3:85-93 (1999). ABSTRACT ONLY.
	BQ	Shukla, A., et al., Nitric oxide-dependent blood-brain barrier permeability alteration in the rat brain, <u>Experientia</u> , 52:136-140 (1996).
	BR	Smolenski, A., et al., Functional analysis of cGMP-dependent protein kinases I and II as mediators of NO/cGMP effects, <u>Naunyn-Schmiedeberg's Arch Pharmacol</u> , 358:134-138.
	BS	Sugita, M., et al., Cyclic GMP-specific phosphodiesterase inhibition and intracarotid bradykinin infusion enhances permeability in brain tumors, <u>Cancer Research</u> , 58:914-920 (1998).
	BT	Takayasu, M., et al., Effects of calcium antagonists on intracerebral penetrating arterioles in rats, <u>J Neurosurg</u> , 69:104-109 (1988).
Am2	BU	Uchida, M., et al., Overexpression of bradykinin type 2 receptors on glioma cells enhances bradykinin-mediated blood-brain tumor barrier permeability increase, <u>Neurological Research</u> , 24:739-745

EXAMINER <i>Anne-Marie Falk</i>	DATE CONSIDERED 8/30/04
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Am2	BV	Uchida, M., et al., <i>Cyclic GMP-dependent blood-brain tumor barrier permeability is not mediated by cyclic GMP-dependent protein kinase</i> , <u>Congress of Neurological Surgeons Annual Meeting</u> , 50 <sup>th</sup> Anniversary Celebration, September 23-28, 2000, Henry B. Gonzalez Convention center, San Antonio, Texas, ABSTRACT No. 440, p. 220.	
↓	BW	Vodovotz, Y., et al., <i>Regulation of transforming growth factor beta 1 by nitric oxide</i> , <u>Cancer Res</u> , 59:2142-9 (1999). ABSTRACT ONLY.	
↓	BX	Yukabu, M.A., <i>Hematoma-induced enhanced cerebral vasoconstriction to leukotriene C4 and endothelin-1 piglets: role of prostanoids</i> , <u>Pediatr Res</u> , 38:119-23 (1995). ABSTRACT ONLY.	
↓	BY	Tocris Web Page, <a href="http://www.tocris.com/cat/nodonorstxt.html">http://www.tocris.com/cat/nodonorstxt.html</a> No Donors/Precursors, pp.1-2, Downloaded 5/31/00.	
Am2	BZ	Sigma-Aldrich Web page, <a href="http://vsearch.sial.com/search/97cgi/s97-cgi">http://vsearch.sial.com/search/97cgi/s97-cgi</a> , p.1, downloaded 5/31/00.	
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